

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 7287 (1974): Recommended working dimensions of  
woodworking machines [PGD 3: Machine Tools]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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**AMENDMENT NO. 1 JANUARY 1997**  
**TO**  
**IS 7287 : 1974 RECOMMENDED WORKING**  
**DIMENSIONS FOR WOODWORKING MACHINES**

( *Page 2, Explanatory Note* ) -- Substitute 'IS 7228 : 1983/ISO 7006 : 1981 Recommended diameters for woodworking machines with rotating bored tools ( *first revision* )' for 'IS : 7228 - 1974 Recommended spindle diameters for woodworking machines with rotating bored tools'.

( PE 03 )

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Reprography Unit, BIS, New Delhi, India



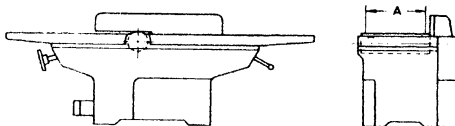
Indian Standard

## RECOMMENDED WORKING DIMENSIONS OF WOODWORKING MACHINES

**1. Scope** — Lays down working widths for surface planing machines and the relation between working depth capacities and working widths for thicknessing machines and moulding machines.

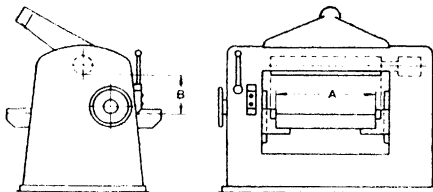
### 2. Working Dimensions

#### 2.1 Working Widths of Surface Planing Machines



Working Width, A mm	150	200	250	315	400	500	630
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#### 2.2 Working Widths and Depth Capacities of Thicknessing Machines



Working Width, A mm	315	400	500	630	800	1 000	1 250	1 600	2 000
Depth Capacity, B mm	140	160	180	200	200	200	160	125	125

#### 2.3 Working Widths and Depth Capacities of Surface Planing and Thicknessing Machines

Working Width, A mm	250	315	400	500	630
Depth Capacity, B mm	120	140	160	180	200

#### 2.4 Finished Working Widths and Depth Capacities of Planing Machines for 2, 3 or 4 Side Dressing

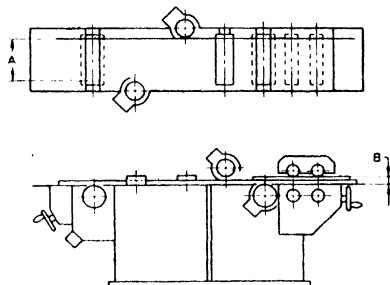
Finished Working Width, A mm	400	500	630	800	1 000	1 250	1 600	2 000
Depth Capacity, B mm	160	180	200	200	200	160	125	125

Adopted 6 March 1974

© July 1974, ISI

Price Rs 3.00

## 2.5 Finished Working Widths and Depth Capacities of Moulding Machines



Finished Working Width, A mm	100	125	175	200	250	( 300 )	315
Depth Capacity, B mm	75	75	120	120	150	( 150 )	150

**Note** — Dimensions given within parentheses are non-preferred and shall be avoided in new designs.

## EXPLANATORY NOTE

This standard has been prepared with a view to provide guidance to designers in the selection of parameters for future designs, bearing in mind the advantage of such rationalizations to ensure standard loading heights, etc. for link-line and similar grouping of machines. Standard cut sizes of sawn timber, being inter-related with the width capacities of machines are given below. The values for these cut sizes of timber are taken from IS : 1331-1971 'Specification for cut sizes of timber (second revision) '.

STANDARD CUT SIZES OF SAWN TIMBER (CROSS-SECTIONAL SIZES)															
Thickness, mm	Width, mm														
	40	50	60	80	100	120	140	160	180	200	220	240	260	280	300
10	x	x	x	x	x	x	—	—	—	—	—	—	—	—	—
15	x	x	x	x	x	x	x	x	x	—	—	—	—	—	—
20	x	x	x	x	x	x	x	x	x	x	x	x	—	—	—
25	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
30	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
40	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
50	—	x	x	x	x	x	x	x	x	x	x	x	x	x	x
60	—	—	—	x	x	x	x	x	x	x	x	x	x	x	x
80	—	—	—	x	x	x	x	x	x	x	x	x	x	x	x
100	—	—	—	—	x	x	x	x	x	x	x	x	x	x	x
120	—	—	—	—	—	x	x	x	x	x	x	x	x	x	x
140	—	—	—	—	—	—	—	x	x	x	x	x	x	x	x
160	—	—	—	—	—	—	—	x	x	x	x	x	x	x	x
180	—	—	—	—	—	—	—	—	x	x	x	x	x	x	x
200	—	—	—	—	—	—	—	—	—	x	—	—	—	—	—

**Note** — x = preferred size of the width.

This standard is one of the series of Indian Standards on woodworking machines. Other standards in this series are:

IS : 7227-1974 Recommended diameters of wheels for woodworking table bandsawing machines

IS : 7228-1974 Recommended spindle diameters for woodworking machines with rotating bored tools

IS : 7229-1974 Recommended working level heights for woodworking machines